HackerRank

Database Normalization #7

Let us take the example of a simple movie library. Each movie has a description, director, and serial number. Customers have a name, address, and membership number. Assume only one copy of each movie exists in the library. We are given the following relations and determinants:

Relations: movie(DESCRIPTION, serialno) serial(SERIALNO, director) customer(name, addr, MEMBERNO) borrow(memberno, DATE, SERIALNO) Determinants: description->director, serialno serialno->description serialno->director name, addr -> memberno memberno -> name, addr serialno, date -> memberno

The above relation is in x**NF form where x may take the following values {1,2,3,3.5} corresponding to {1NF, 2NF, 3NF and BCNF} respectively.

What is the maximum possible value of ****x** such that the above relation satisfies the *****x*NF form? Your answer should only be restricted to one of these numbers:1/2/3/3.5 Do not leave any leading or trailing spaces.